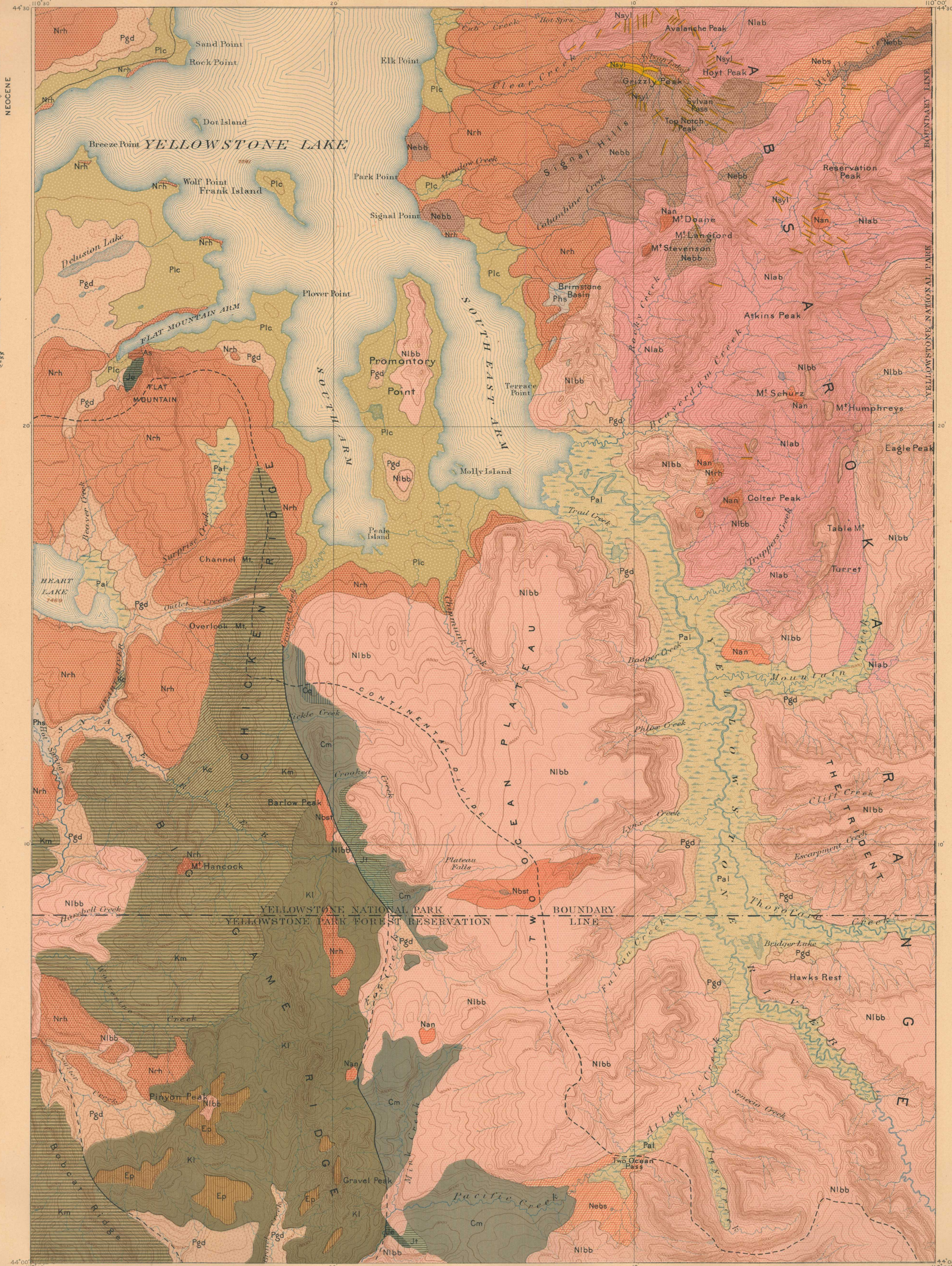


LEGEND  
(continued)

- NEOCENE**
- Nlbb Late basic breccia  
(rocks of similar mineral composition to the early basic breccias, but of later age)
  - Nlab Late acid breccia  
(rocks of similar mineral composition to the early acid breccias, but of later age)
  - Ntrh Trachytic rhyolite  
(occurs in isolated lava flows; rocks always light-colored, gneiss bodies in mass which the rhyolite does not contain)
  - Nebs Early basalt flows  
(dark gray or black rocks representing the earlier series of breccias from the later series of breccias)
  - Nebb Early basic breccia  
(fragments of pyroxene and olivine, hornblende, pyroxene and olivine, and basalt associated with lava flows of the same kind of rocks)
- Faults**



- SURFICIAL ROCKS**
- (Areas of surficial rocks are shown by patterns of dots and circles.)
- Phs Hot Spring formations  
(siliceous or calcareous deposits and sulfateric areas)
  - Pal Alluvium  
(sand and gravel forming the stream bottoms and terraces along the valleys)
  - Plc Lacustrine formation  
(sand and gravel deposited during a higher stage of the lake)
  - Pgd Glacial drift  
(gravel, clay and sand, distributed by glaciers of local origin)
- SEDIMENTARY ROCKS**
- (Areas of sedimentary rocks are shown by patterns of parallel lines.)
- Eocene**
- Ep Pinyon conglomerate  
(coarse, water-worn pebbles mingled with sand and gravel)
- Cretaceous**
- Kl Laramie formation  
(sandstone and shale deposited in shallow brackish waters)
  - Km Montana formation  
(includes the Pierre sandstone and Pierre shale, and generally indistinguishable)
  - Kc Colorado formation  
(includes the Niobrara, lower and upper Fort Union, and generally indistinguishable)
- Jurassic**
- Je Ellis formation  
(arenaceous limestone, marl, clay, and thin beds of argillaceous limestone)
  - Ji Teton formation  
(cherty limestone, red clay, and sandstone)
- Carboniferous**
- Cq Quadrant quartzite  
(white, compact massive quartzite with interbedded thin-bedded limestone)
  - Cm Madison limestone  
(massive, white or cream-colored limestone, thin-bedded limestone)
- Algonkian**
- As Sheridan quartzite  
(dense, black-white quartzite)
- IGNEOUS ROCKS**
- (Areas of igneous rocks are shown by patterns of triangles and rhombs.)
- NEOCENE**
- Nbst Basalt  
(dark gray or black lava flows; the most recent volcanic rock)
  - Nrh Rhyolite  
(mostly brecciated flows covering the greater part of the high western part of the park, varying from a glassy to a stony structure)
  - Nsyl Sylvan intrusives  
(dike rocks varying from dark to light-colored, brecciated, near Sylvan Pass)
  - Nan Andesitic flows  
(light-colored hornblende, mica and olivine rocks)

Henry Gannett, Chief Geographer.  
J. H. Renshaw, Geographer in charge.  
Illustration by H. S. Chase.  
Topography by J. H. Renshaw.  
Surveyed in 1885.

Scale 1:25,000  
Miles  
Kilometers  
Contour Interval 100 feet.  
Datum is mean Sea level.  
Edition of April 1896.

Geology by  
Arnold Hague, Geologist in charge.  
Joseph Paxson Iddings, and  
Walter Harvey Weed.  
Surveyed 1883 to 89, 90, 91, and 93.

Legend is continued  
on the left margin.